

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/723,164
Source: IFW0
Date Processed by STIC: 11/18/04

ENTERED



IFWO

RAW SEQUENCE LISTING DATE: 11/18/2004
PATENT APPLICATION: US/10/723,164 TIME: 09:31:36

Input Set : A:\66783-142.TXT
Output Set: N:\CRF4\11182004\J723164.raw

4 <110> APPLICANT: Targan, Stephan R.
5 Vasiliauskas, Eric A.
6 Mow, William S.
7 Yang, Huiying
8 Fleshner, Phillip R.
9 Rotter, Jerome I.
11 <120> TITLE OF INVENTION: Methods of Assessing Crohn's Disease
12 Patient Phenotype by I2, OmpC and ASCA Serologic Response
16 <130> FILE REFERENCE: 66783-142
18 <140> CURRENT APPLICATION NUMBER: US 10/723,164
19 <141> CURRENT FILING DATE: 2003-11-26
21 <150> PRIOR APPLICATION NUMBER: US 10/413,501
22 <151> PRIOR FILING DATE: 2003-04-11
24 <160> NUMBER OF SEQ ID NOS: 22.
26 <170> SOFTWARE: FastSEQ for Windows Version 4.0
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 302
30 <212> TYPE: DNA
31 <213> ORGANISM: P. aeruginosa
33 <220> FEATURE:
34 <221> NAME/KEY: CDS
35 <222> LOCATION: (2) ... (301)
37 <400> SEQUENCE: 1
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39 Asp Leu Ala Ser Ala Val Gly Ile Gln Ser Gly Ser Ile Phe His His
40 1 5 10 15 15
42 ttc aag agc aag gat gag ata ttg cgt gcc gtg atg gag gaa acc atc 97
43 Phe Lys Ser Lys Asp Glu Ile Leu Arg Ala Val Met Glu Glu Thr Ile
44 20 25 30 30
46 cat tac aac acc gcg atg atg cgc gct tca ctg gag gag gcg agc acg 145
47 His Tyr Asn Thr Ala Met Met Arg Ala Ser Leu Glu Glu Ala Ser Thr
48 35 40 45
50 gtg cgc gaa cgc gtg ctg gcg atc cgc tgc gag ttg cag tcg atc 193
51 Val Arg Glu Arg Val Leu Ala Leu Ile Arg Cys Glu Leu Gln Ser Ile
52 50 55 60
54 atg ggc ggc agt ggc gag gcc atg gcg gtg ctg gtc tac gaa tgg cgc 241
55 Met Gly Gly Ser Gly Glu Ala Met Ala Val Leu Val Tyr Glu Trp Arg
56 65 70 75 80
58 tcg ctg tcg gcc gaa ggc cag gcg cac gtg ctg gcc ctg cgt gac gtg 289
59 Ser Leu Ser Ala Glu Gly Gln Ala His Val Leu Ala Leu Arg Asp Val
60 85 90 95
62 tat gag cag atc t
63 Tyr Glu Gln Ile 302

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64 100
 67 <210> SEQ ID NO: 2
 68 <211> LENGTH: 100
 69 <212> TYPE: PRT
 70 <213> ORGANISM: *P. aeruginosa*
 72 <400> SEQUENCE: 2
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 74 1 5 10 15
 75 Phe Lys Ser Lys Asp Glu Ile Leu Arg Ala Val Met Glu Glu Thr Ile
 76 20 25 30
 77 His Tyr Asn Thr Ala Met Met Arg Ala Ser Leu Glu Glu Ala Ser Thr
 78 35 40 45
 79 Val Arg Glu Arg Val Leu Ala Leu Ile Arg Cys Glu Leu Gln Ser Ile
 80 50 55 60
 81 Met Gly Gly Ser Gly Glu Ala Met Ala Val Leu Val Tyr Glu Trp Arg
 82 65 70 75 80
 83 Ser Leu Ser Ala Glu Gly Gln Ala His Val Leu Ala Leu Arg Asp Val
 84 85 90 95
 85 Tyr Glu Gln Ile
 86 100
 89 <210> SEQ ID NO: 3
 90 <211> LENGTH: 494
 91 <212> TYPE: DNA
 92 <213> ORGANISM: *Homo sapiens*
 94 <400> SEQUENCE: 3
 95 accttcagat cacagcagcc ttccctggcag ggctgttgc cggggagcac tggggcctgc 60
 96 tggctgagtg ccagacatct gagaaggccc tgcctccggc caggcctgt gcccgcgtgg 120
 97 gctctggcccg cagcctccgc aagcacttcc actccatccc gccagctgca cggggtgagg 180
 98 ccaagagcgt gcatgccatg cccgggttca tctggctcat cccgagcctg tacgagatgc 240
 99 aggaggagcg gctggctcgg aaggctgcac gtggcctgaa tggggcgtac ctcaagttga 300
 100 cattttgcag tggggccccc actgagtgtg ctgcctggc ctttgcgtg cagcacctcc 360
 101 ggcggcccg ggcctgcag ctggactaca actctgtggg tgacattggc ctggagcgc 420
 102 tgctgccttgc cttgggtgtc tgcaaggctc tggatgtgat gttactggc attgtgttc 480
 103 aggtatgggg gage 494
 105 <210> SEQ ID NO: 4
 106 <211> LENGTH: 494
 107 <212> TYPE: DNA
 108 <213> ORGANISM: *Homo sapiens*
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 111 gctcccccac acctgaacag caatgccag taacactcac tacagagcct tgcagacacc 60
 112 aaggcaaggc agcagctgct ccaggccat gtcacccaca gagttgtagt ccagctgcag 120
 113 ggccacgggc cgccggaggt gctgcagcac aaaggccagg gcagcacact cagtgccgc 180
 114 cacactgcaa aatgtcaact tggatgtccc aacattcagg ccacgtgcag cttccgagc 240
 115 cagccgctcc tccgtcatct cgtacaggtt cccgatgagc cagatgaacc cgggcatggc 300
 116 atgcacgctc ttggcctcac ccgggtgcagc tggcggatg gatgtggaaat gttgcggag 360
 117 gctgcgggcc agacaccagc gggcacagggc ctggcggccgg agcaggccct tctcagatgt 420
 118 ctggcactca gccagcaggc cccagtgctc ccgggacaac agccctgcca ggaaggctgc 480
 119 tggatgtca aggt 494
 121 <210> SEQ ID NO: 5

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122 <211> LENGTH: 540
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 124 <213> ORGANISM: Homo sapiens
 126 <400> SEQUENCE: 5
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 128 ctcttgaat ccaatggct tttttcccta ctccattgcc taacattgtg gggtagaaaat 120
 129 aaagttcaaa gaccctcaga actggcccca gctccctccct cttcacctga tctcccaag 180
 130 aaaactgcag gatagactct gaagcttacc tgagccaccc caagctctgg tgatcacc 240
 131 aggcttcagc cagggcctgg gccccctgt caccctctt gttgccccag aatctgaaaa 300
 132 ggccaaaaga gtcaacagac agtgcagtg agtacactat atgtgttcta gacatgaaact 360
 133 aacagtcctc ctccctctgc agtcccagcc agagggcag gaccactcaa tcccaagatg 420
 134 gcctcaactgg ggctcttggt cccagcaag tggacctgcc tccatcttt gggggatg 480
 135 gccaaactta acccaagatg tttcagttgc ttacattac agacttagag aatagtagag 540
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 139 <211> LENGTH: 540
 140 <212> TYPE: DNA
 141 <213> ORGANISM: Homo sapiens
 143 <400> SEQUENCE: 6
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 145 catcccaccc aaaagatgga ggcagggtcca ctttgcgtgg accaggagcc ccagtggagc 120
 146 cactctggga ttgagtggtc ctgcctctt ggctggact gcagaggag gaggactgtt 180
 147 agttcatgtc tagaacacat atcaggtact cactgacact gtctgttgc tctttggcc 240
 148 ttttcagatt ctggggcaac agagtgggtg acgagggggc ccaggccctg gctgaaggct 300
 149 tgggtgatca ccagagctt aggtggctca ggtaagctc agagtctatc ctgcagttt 360
 150 cttggggaga tcagtgaaag agggaggagc tggggccagt tctgaaggctc tttgaacttt 420
 151 atttctaccc cacaatgtt ggcaatggag taaggaaaa agaccatgg attcaagag 480
 152 aggacactcg agtcttctg ggtgacttgg aaatgtccct tgcctctca ggggtttgat 540
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 156 <211> LENGTH: 541
 157 <212> TYPE: DNA
 158 <213> ORGANISM: Homo sapiens
 160 <400> SEQUENCE: 7
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 162 aatcagatcc ttcacatgca gaatcattct cactgaatgt cagaatcaga agggatcctc 120
 163 aaaattctgc cattcctctc tcccgtaacc ccattttaca gatagaaaaa ctgagggtcg 180
 164 gagagctaaa acaggcctgc ccaggggcct taccagactt ccaggatgtt gtcattcctt 240
 165 tcaagggggc tgcaggaggg cttctcccc tagtaggtg atgcagttat tggacaacct 300
 166 gaaaaagaag atacaatggt gagcttcaag gattcttggg tttccttgc aaactgtcca 360
 167 gttaaagaga ctgcaggagt tagccagttt actgaagccc acctgtccct tagacacatc 420
 168 ctgctcatgt ctgagattcc caatgagotc atcaacaaag gctcagtagcc atcagtggaa 480
 169 tgtaaccgtc tctttccat tcaacttagatg agtttatcaa attaagttagc cactccctta 540
 170 g 541
 172 <210> SEQ ID NO: 8
 173 <211> LENGTH: 541
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 175 <213> ORGANISM: Homo sapiens
 177 <400> SEQUENCE: 8
 178 ctaaggaggat ggctacttaa tttgataaactcatcttagtg aatggaagag agacggttac 60
 179 atttcactga tggtaactgag ctttgcgttga tgagcttccat gggatctca gacatgagca 120

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180 ggatgtgtct aaggacacagg tgggcttcag tagactggct aactcctgca gtctctttaa 180
 181 ctggacagtt tcaagaggaa aaccaagaat ccttgaagct caccattgtt tcttctttc 240
 182 caggttgc aataactgca tcacacctt agggcagaa gcccctgc agggcccttg 300
 183 aaaggaatga caccatcctg gaagtctggt aaggcccctg ggcaggcctg ttttagctct 360
 184 ccgaacctca gttttctat ctgtaaaatg gggtgcacggg agagaggaat ggcagaattt 420
 185 tgaggatccc ttctgattct gacattcagt gagaatgatt ctgcatgtga agatctgat 480
 186 tctctgttca agaaagaatg ctttacctt ttaagtaggg agcaatgatt tcattttaa 540
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 189 <211> LENGTH: 1101
 190 <212> TYPE: DNA
 191 <213> ORGANISM: E. coli
 192 <220> FEATURE:
 193 <221> NAME/KEY: CDS
 194 <222> LOCATION: (1)...(1101)
 195 <400> SEQUENCE: 9
 196 atg aaa gtt aaa gta ctg tcc ctc ctg gtc cca gct ctg ctg gta gca 48
 197 Met Lys Val Lys Val Leu Ser Leu Leu Val Pro Ala Leu Leu Val Ala
 198 1 5 10 15
 199 ggc gca gca aac gct gct gaa gtt tac aac aaa gac ggc aac aaa tta 96
 200 Gly Ala Ala Asn Ala Ala Glu Val Tyr Asn Lys Asp Gly Asn Lys Leu
 201 20 25 30
 202 gat ctg tac ggt aaa gta gac ggc ctg cac tat ttc tct gac aac aaa 144
 203 Asp Leu Tyr Gly Lys Val Asp Gly Leu His Tyr Phe Ser Asp Asn Lys
 204 35 40 45
 205 209 35 40 45
 206 gat gta gat ggc gac cag acc tac atg cgt ctt ggc ttc aaa ggt gaa 192
 207 Asp Val Asp Gly Asp Gln Thr Tyr Met Arg Leu Gly Phe Lys Gly Glu
 208 212 50 55 60
 209 213 50 55 60
 210 act cag gtt act gac cag ctg acc ggt tac ggc cag tgg gaa tat cag 240
 211 Thr Gln Val Thr Asp Gln Leu Thr Gly Tyr Gly Gln Trp Glu Tyr Gln
 212 217 65 70 75 80
 213 219 85 90 95
 214 220 Ile Gln Gly Asn Ser Ala Glu Asn Glu Asn Asn Ser Trp Thr Arg Val
 215 221 85 90 95
 216 222 gca ttc gca ggt ctg aaa ttc cag gat gtc ggt tct ttc gac tac ggt 336
 217 223 Ala Phe Ala Gly Leu Lys Phe Gln Asp Val Gly Ser Phe Asp Tyr Gly
 218 224 100 105 110
 219 225 100 105 110
 220 226 cgt aac tac ggc gtt tat gac gta act tcc tgg acc gac gta ctg 384
 221 227 Arg Asn Tyr Gly Val Val Tyr Asp Val Thr Ser Trp Thr Asp Val Leu
 222 228 115 120 125
 223 229 115 120 125
 224 230 cca gaa ttc ggt ggt gac acc tac ggt tct gac aac ttc atg cag cag 432
 225 231 Pro Glu Phe Gly Asp Thr Tyr Gly Ser Asp Asn Phe Met Gln Gln
 226 232 130 135 140
 227 233 130 135 140
 228 234 cgt ggt aac ggc ttc gcg acc tac cgt aac act gac ttc ttc ggt ctg 480
 229 235 Arg Gly Asn Gly Phe Ala Thr Tyr Arg Asn Thr Asp Phe Phe Gly Leu
 230 236 145 150 155 160
 231 237 145 150 155 160
 232 238 gtt gac ggc ctg aac ttt gct gtt cag tac cag ggt aaa aac ggc aac 528
 233 239 Val Asp Gly Leu Asn Phe Ala Val Gln Tyr Gln Gly Lys Asn Gly Asn
 234 240 165 170 175

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243 cca tct ggt gaa ggc ttt act agt ggc gta act aac aac ggt cgt gac	576
244 Pro Ser Gly Glu Gly Phe Thr Ser Gly Val Thr Asn Asn Gly Arg Asp	
245 180 185 190	
247 gca ctg cgt caa aac ggc gac ggc gtc ggc ggt tct atc act tat gat	624
248 Ala Leu Arg Gln Asn Gly Asp Gly Val Gly Ser Ile Thr Tyr Asp	
249 195 200 205	
251 tac gaa ggt ttc ggt atc ggt ggt gcg atc tcc agc tcc aaa cgt act	672
252 Tyr Glu Gly Phe Gly Ile Gly Gly Ala Ile Ser Ser Ser Lys Arg Thr	
253 210 215 220	
255 gat gct cag aac acc gct gct tac atc ggt aac ggc gac cgt gct gaa	720
256 Asp Ala Gln Asn Thr Ala Ala Tyr Ile Gly Asn Gly Asp Arg Ala Glu	
257 225 230 235 240	
259 acc tac act ggt ggt ctg aaa tac gac gct aac aac atc tac ctg gct	768
260 Thr Tyr Thr Gly Gly Leu Lys Tyr Asp Ala Asn Asn Ile Tyr Leu Ala	
261 245 250 255	
263 gct cag tac acc cag acc tac aac gca act cgc gta ggt tcc ctg ggt	816
264 Ala Gln Tyr Thr Gln Thr Tyr Asn Ala Thr Arg Val Gly Ser Leu Gly	
265 260 265 270	
267 tgg gcg aac aaa gca cag aac ttc gaa gct gtt gct cag tac cag ttc	864
268 Trp Ala Asn Lys Ala Gln Asn Phe Glu Ala Val Ala Gln Tyr Gln Phe	
269 275 280 285	
271 gac ttc ggt ctg cgt ccg tcc ctg gct tac ctg cag tct aaa ggt aaa	912
272 Asp Phe Gly Leu Arg Pro Ser Leu Ala Tyr Leu Gln Ser Lys Gly Lys	
273 290 295 300	
275 aac ctg ggt cgt ggc tac gac gac gaa gat atc ctg aaa tat gtt gat	960
276 Asn Leu Gly Arg Gly Tyr Asp Asp Glu Asp Ile Leu Lys Tyr Val Asp	
277 305 310 315 320	
279 gtt ggt gct acc tac tac ttc aac aaa aac atg tcc acc tac gtt gac	1008
280 Val Gly Ala Thr Tyr Tyr Phe Asn Lys Asn Met Ser Thr Tyr Val Asp	
281 325 330 335	
283 tac aaa atc aac ctg ctg gac gac aac cag ttc act cgt gac gct ggc	1056
284 Tyr Lys Ile Asn Leu Leu Asp Asp Asn Gln Phe Thr Arg Asp Ala Gly	
285 340 345 350	
287 atc aac act gat aac atc gta gct ctg ggt ctg gtt tac cag ttc	1101
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289 355 360 365	
293 <210> SEQ ID NO: 10	
294 <211> LENGTH: 367	
295 <212> TYPE: PRT	
296 <213> ORGANISM: E. coli	
298 <400> SEQUENCE: 10	
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302 20 25 30	
303 Asp Leu Tyr Gly Lys Val Asp Gly Leu His Tyr Phe Ser Asp Asn Lys	
304 35 40 45	
305 Asp Val Asp Gly Asp Gln Thr Tyr Met Arg Leu Gly Phe Lys Gly Glu	
306 50 55 60	

VERIFICATION SUMMARY

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